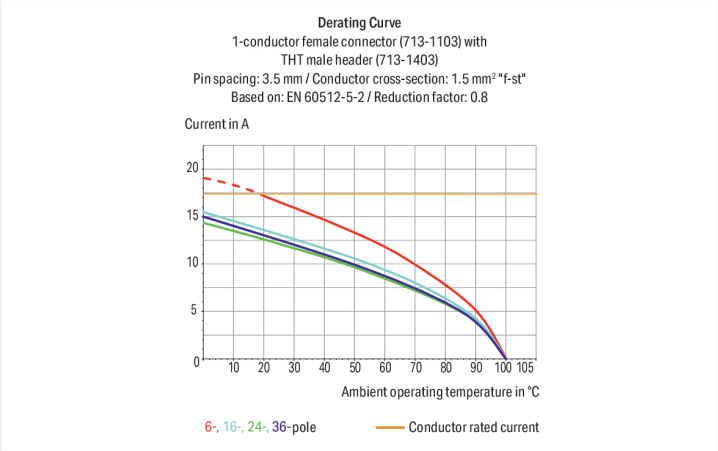
Data Sheet | Item Number: 713-1428/117-000

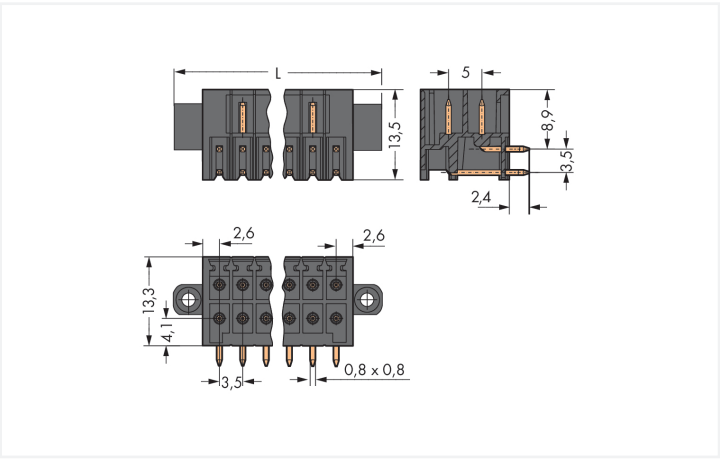
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mis-mating; Threaded flange; Pin spacing 3.5 mm; 16-pole; black

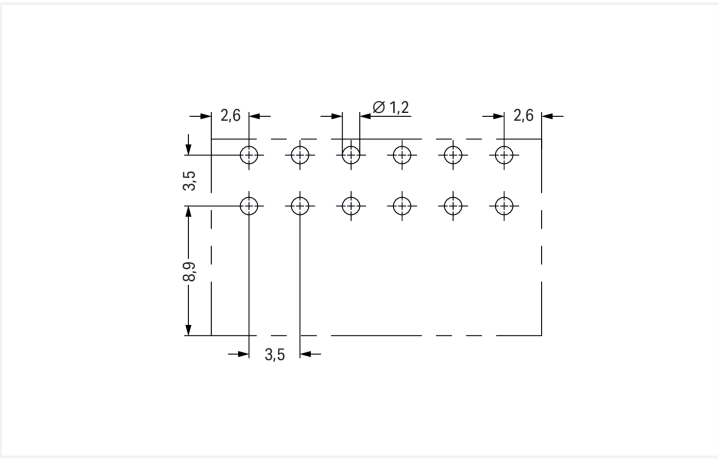
https://www.wago.com/713-1428/117-000





Color: ■ black





Dimensions in mm
L = [(pole no./2) – 1] x pin spacing + 13.6 mm

Male connector, 713 Series, with 3.5 mm pin spacing

This male connector (item number 713-1428/117-000) simplifies electrical installations. The dimensions are (38.1 x 15.7 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THR soldering.

Notes

Safety Information	The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load.When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.
Variants:	Other pole numbers Other solder pin lengths Gold-plated or partially gold-plated contact surfaces Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	250 V
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	10 A	10 A	10 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	50 V	-
Rated current	10 A	10 A	-

Approvals per	CSA		
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	12 A	-	-

Connection Data

Total number of potentials	16
Number of connection types	1
Number of levels	2

Connection 1

Pole number	16

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	38.1 mm / 1.5 inches
Height	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 inches
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.3 $^{(+0.1)}$ mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Continued on next page

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Mating direction to the PCB	0 °
Locking of plug-in connection	Threaded flange

PCB contact

PCB contact	THR
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

Material data

Note (material data)	Information on material specifications can be found here
Color	black
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.045 MJ
Weight	5.4 g
MSL per J-STD 020D	1

Environmental requirements

Limit temperature range	-60 … +100 °C
Processing temperature	-35 … +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821156611
Customs tariff number	85366930000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Continued on next page

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	f9eccf5b-5a0e-460f-ac68-9941264a44d8
SCIP notification number (Belgium)	1c44b43c-3051-4fe5-b5b1-983ff053e37f
SCIP notification number (Bulgaria)	ed6f6d25-b39c-4bc8-9b7e-6ad0616c78a8
SCIP notification number (Czech Republic)	3f4778ae-7c5a-463a-8aa6-228d67d9cd54
SCIP notification number (Denmark)	667bd1f2-46d1-48a3-bc40-7bf6c36e0615
SCIP notification number (Finland)	4cce4772-7ede-4841-85f3-75ec5d0e59c9
SCIP notification number (France)	677150ee-4685-4b15-ba0f-4d0b457b8100
SCIP notification number (Germany)	1b4d519b-d626-400e-a808-72ba4fadc672
SCIP notification number (Hungary)	0fdaa0b7-ab79-41ff-9418-b0234f308a7d
SCIP notification number (Italy)	1d6c6175-7ac7-4738-a71e-e10fd516728b
SCIP notification number (Netherlands)	368eed79-4beb-4efc-9c02-e98ade70bda0
SCIP notification number (Poland)	aaf38772-e64b-45bf-ae17-8116db38a622
SCIP notification number (Romania)	58882cce-d79c-4435-9d45-8611fcaf35ba
SCIP notification number (Sweden)	f2bd742d-eb23-45f2-a91c-761f615fa95a

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427
CSA CSA Group	C22.2	2315087
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-133740

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 713-1428/117-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
713-1428/117-000

CAE data

ZUKEN Portal
713-1428/117-000

PCB Design

Symbol and Footprint via
SamacSys
713-1428/117-000

Symbol and Footprint via
Ultra Librarian
713-1428/117-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1108/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

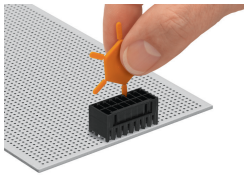
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.